

OPIE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:55

Input Set : A:\6652US01.txt

Output Set: N:\CRF3\07162001\I747538.raw

ENTERED

4 <110> APPLICANT: Abbott Laboratories  
5 Katz, David A.  
6 Gentile-Davey, Maria C.  
7 Cornwell, Michael C.  
8 Huff, Jeffrey B.  
9 Yu, Hong  
11 <120> TITLE OF INVENTION: AMPLIFICATION BASED POLYMORPHISM  
12 DETECTION  
14 <130> FILE REFERENCE: 6652.US.01  
16 <140> CURRENT APPLICATION NUMBER: 09/747,538  
C--> 17 <141> CURRENT FILING DATE: 2000-12-21  
19 <160> NUMBER OF SEQ ID NOS: 23  
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 1450  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Homo sapiens  
28 <400> SEQUENCE: 1  
29 taggggttgga gtgggtggtg gatggtgggg ctaatgcctt catggccacg cgcacgtgcc 60  
30 cgtcccaccc ccaggggtgt tcctggcgcg ctatggggcc gcgtggcgcg agcagaggcg 120  
31 cttctccgtg tccaccttgc gcaacttggg cctgggcaag aagtcgctgg agcagtgggt 180  
32 gaccgaggag gccgcctgcc tttgtgccgc cttcgccaac cactccggtg ggtgatgggc 240  
33 agaagggcac aaagcgggaa ctgggaaggc gggggacggg gaaggcgacc ccttaccgcg 300  
34 atctcccacc. cccaggacgc ccctttcgcc ccaacggtct cttggacaaa gccgtgagca 360  
35 acgtgatcgc ctccctcacc tgccggcgcc gcttcgagta cgacgaccct cgcttcctca 420  
36 ggctgctgga ctagctcag gagggactga aggaggagtc gggctttctg cgcgagggtc 480  
37 ggagcgagag accgaggagt ctctgcaggg cgagctcccg agaggtgccg gggctggact 540  
38 ggggcctcgg aagagcagga ttgtcataga tgggtttggg aaaggacatt ccaggagacc 600  
39 ccaactgaag aagggcctgg aggaggaggg gacatctcag acatggctcg gggagagggtg 660  
40 tgcccgggtc agggggcacc aggagaggcc aaggactctg tacctcctat ccacgtcaga 720  
41 gatttcgatt ttaggtttct cctctgggca aggagagagg gtggaggctg gcacttgggg 780  
42 agggacttgg tgaggtcagt ggtaaggaca ggcaggccct gggctctacct ggagatggct 840  
43 ggggcctgag acttgtccag gtgaacgcag agcacaggag ggattgagac cccgttctgt 900  
44 ctggtgtagg tgctgaatgc tgtccccgtc ctctgcata tcccagcgct ggctggcaag 960  
45 gtctacgct tccaaaaggc tttcctgacc cagctggatg agctgctaac tgagcacagg 1020  
46 atgacctggg acccagccca gcccccccga gacctgactg aggccttcct ggcagagatg 1080  
47 gagaagggtga gagtggctgc cacggtgggg ggcaagggtg gtgggttgag cgtcccagga 1140  
48 ggaatgaggg gaggtgggc aaaaggttgg accagtgcac caccggcgga gccgcatctg 1200  
49 ggctgacagg tgcagaattg gaggtcattt gggggctacc ccgttctgtc ccgagtatgc 1260  
50 tctcggccct gctcaggcca aggggaaccc tgagagcagc ttcaatgatg agaacctgcg 1320  
51 catagtgggtg gctgacctgt tctctgccgg gatggtgacc acctcgacca cgctggcctg 1380  
52 gggcctcctg ctcatgatcc tacatccgga tgtgcagcgt gagcccatct gggaaacagt 1440  
53 gcagggggccg 1450  
55 <210> SEQ ID NO: 2  
56 <211> LENGTH: 20  
57 <212> TYPE: DNA  
58 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:55

Input Set : A:\6652US01.txt

Output Set: N:\CRF3\07162001\I747538.raw

```

60 <220> FEATURE:
61 <223> OTHER INFORMATION: Amplication Primer
63 <400> SEQUENCE: 2
64 tgagacttgt ccaggtgaac 20
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 18
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Amplication Primer
74 <400> SEQUENCE: 3
75 cctgcactgt ttcccaga 18
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 18
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Amplication Primer
85 <400> SEQUENCE: 4
86 gtggatgggtg gggctaata 18
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 18
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Amplication Primer
96 <400> SEQUENCE: 5
97 ctccctcggtc tctcgctc 18
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 13
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Probe
107 <400> SEQUENCE: 6
108 aacctgacga tag 13
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 13
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Probe
118 <400> SEQUENCE: 7
119 aacctgtgca tag 13
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 13
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:55

Input Set : A:\6652US01.txt

Output Set: N:\CRF3\07162001\I747538.raw

127 <223> OTHER INFORMATION: Probe  
129 <400> SEQUENCE: 8  
130 gagcacagga tga 13  
132 <210> SEQ ID NO: 9  
133 <211> LENGTH: 13  
134 <212> TYPE: DNA  
135 <213> ORGANISM: Artificial Sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Probe  
140 <400> SEQUENCE: 9  
141 gagcacggat gac 13  
143 <210> SEQ ID NO: 10  
144 <211> LENGTH: 14  
145 <212> TYPE: DNA  
146 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:  
149 <223> OTHER INFORMATION: Probe  
151 <400> SEQUENCE: 10  
152 gatggagaag gtga 14  
154 <210> SEQ ID NO: 11  
155 <211> LENGTH: 14  
156 <212> TYPE: DNA  
157 <213> ORGANISM: Artificial Sequence  
159 <220> FEATURE:  
160 <223> OTHER INFORMATION: Probe  
162 <400> SEQUENCE: 11  
163 gatggaggtg agag 14  
165 <210> SEQ ID NO: 12  
166 <211> LENGTH: 13  
167 <212> TYPE: DNA  
168 <213> ORGANISM: Artificial Sequence  
170 <220> FEATURE:  
171 <223> OTHER INFORMATION: Probe  
173 <400> SEQUENCE: 12  
174 ccccaggacg ccc 13  
176 <210> SEQ ID NO: 13  
177 <211> LENGTH: 13  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Probe  
184 <400> SEQUENCE: 13  
185 cccaagacg ccc 13  
187 <210> SEQ ID NO: 14  
188 <211> LENGTH: 14  
189 <212> TYPE: DNA  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
193 <223> OTHER INFORMATION: Probe

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:55

Input Set : A:\6652US01.txt

Output Set: N:\CRF3\07162001\I747538.raw

```

195 <400> SEQUENCE: 14
196 gagcagtggg tgac 14
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 14
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Probe
206 <400> SEQUENCE: 15
207 gagcaggggt gacc 14
209 <210> SEQ ID NO: 16
210 <211> LENGTH: 11
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Probe
217 <400> SEQUENCE: 16
218 acctgtgcat a 11
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 15
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Probe
228 <400> SEQUENCE: 17
229 gaacctgtgc atagt 15
231 <210> SEQ ID NO: 18
232 <211> LENGTH: 17
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Probe
239 <400> SEQUENCE: 18
240 agaacctgtg catagt 17
242 <210> SEQ ID NO: 19
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Forward Primer
250 <400> SEQUENCE: 19
251 ccccaaaacg gaagacaaat c 21
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 15
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Forward Primer
261 <400> SEQUENCE: 20

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:55

Input Set : A:\6652US01.txt

Output Set: N:\CRF3\07162001\I747538.raw

```
262 tcccgcacac gcctc 15
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 19
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Reverse Primer
272 <400> SEQUENCE: 21
273 tgcgaactcg tcactggtc 19
275 <210> SEQ ID NO: 22
276 <211> LENGTH: 35
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Molecular Beacon Probe
284 <400> SEQUENCE: 22
285 ccgcacacag gactggctac ctctctgggc tgcgg 35
287 <210> SEQ ID NO: 23
288 <211> LENGTH: 31
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Molecular Beacon Probe
296 <400> SEQUENCE: 23
297 cgaccacagg actggccacc tctctgggtc g 31
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/747,538

DATE: 07/16/2001

TIME: 15:44:56

Input Set : A:\6652USO1.txt

Output Set: N:\CRF3\07162001\I747538.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date